

Beyza Aksu Dunya, Ph.D.
The University of Alabama, Bartın University
baksu@ua.edu
ORCID: 0000-0003-4994-1429

EDUCATION

- 2017 **University of Illinois at Chicago, Chicago, IL.**
Ph.D. in Educational Psychology
Emphasis: Measurement, Evaluation, Statistics, and Assessment (MESA)
- 2012 **Boston College, Chestnut Hill, MA.**
Master of Education in Educational Research, Measurement, and Evaluation
- 2008 **Istanbul University, Istanbul, Turkey.**
Bachelor of Science in Mathematics

ACADEMIC POSITIONS

- 2023- Present **Visiting Faculty**
The University of Alabama, Tuscaloosa, AL, USA.
College of Education, Educational Studies in Psychology, Research Methodology, and Counseling
- 2022- Present **Associate Professor**
Bartın University, Bartın, Turkey.
College of Education, Department of Educational Sciences, Division of Educational Measurement
- 2018-2022 **Assistant Professor**
Bartın University, Bartın, Turkey.
College of Education, Department of Educational Sciences, Division of Educational Measurement
- 2017-2018 **Clinical Assistant Professor / Assessment Coordinator**
University of Illinois at Chicago, Chicago, IL, USA.
University Library, Scholarly Communications Department
- 2012–2017 **Research Assistant**
University of Illinois at Chicago, Chicago, IL, USA.
Measurement, Evaluation, Statistics and Assessment Laboratory (MESA Lab)
- 2012–2015 **Research Assistant**
University of Illinois at Chicago, Chicago, IL, USA.
Institute of Educational Sciences (IES) funded-project
- 2015-2016 **Teaching Assistant**
University of Illinois at Chicago, Chicago, IL, USA.

College of Education, Department of Educational Psychology

2010–2011

Research Assistant

Boston College, Chestnut Hill, MA.

Lynch School of Education

PUBLICATIONS

Şentürk, B. , **Aksu Dünya, B.** & Demir, M. C. (2023). Training 21st Century English Language Teachers in Turkish Context: Development of a Technology-Enhanced Measurement Curriculum . *Journal of Measurement and Evaluation in Education and Psychology* . DOI: 10.21031/epod.1261763

Yazici, S., Yildiz Durak, H., **Aksu Dünya, B.**, & Şentürk, B. (2023). Online versus face-to-face cheating: The prevalence of cheating behaviours during the pandemic compared to the pre-pandemic among Turkish University students. *Journal of Computer Assisted Learning*, 39(1), 231-254.

McKown, C. M., Ponsaran, R. N., Kharitonova, M. & **Aksu Dunya, B.** (2023). Development and validation of a shortened form of SELweb, a web-based assessment of children’s social and emotional competence. *Assessment*, 30(1), 171-189.

Guzey, S. S., Yildiz, E. A., Demir, M. C., & **Aksu Dunya, B.** (2022). Impact of EDpuzzle use on the assessment and measurement course achievement. *HAYEF: Journal of Education*, 19(1), 52-61.

Scoulas, J. M., **Dunya, B. A.**, & De Groote, S. L. (2021). Validating students' library experience survey using rasch model. *Library & Information Science Research*, 43(1), 101071.

Erguvan, I. D., & **Dunya, B. A.** (2021). Gathering evidence on e-rubrics: Perspectives and many facet Rasch analysis of rating behavior. *International Journal of Assessment Tools in Education*, 8(2), 448-468.

Erguvan, I. D., & **Dunya, B. A.** (2020). Analyzing rater severity in a freshman composition course using many facet Rasch measurement. *Language Testing in Asia*, 10(1), 1.

Dunya, B. A., McKown, C., & Smith, E. (2019). Psychometric Properties and Differential Item Functioning of a Web-Based Assessment of Children’s Emotion Recognition Skill. *Journal of Psychoeducational Assessment*, 0734282919881919.

Dunya, B. A., & De Groote, S. (2019). Revision of an academic library user experience survey. *Performance Measurement and Metrics* 20(1), 48-59.

Dunya, B. A. (2018). Impact of item parameter drift in CAT due to lack of content knowledge. *International Journal of Testing*, 18(4), 346-365.

Dunya, B. A., McKown, C. & Smith, E. (2018). Psychometric properties of a social perspective-taking assessment. *Journal of Applied Measurement*, 19 (1), 93-105.

Karakaya, Ö. K. & **Dunya, B. A.** (2018). A review of structural equation modeling applications in Turkish Educational Science Literature, 2010-2015. *International Journal of Research in Education and Science*, 4 (1), 279-291.

Dunya, B. A., & De Groote, S. (2017). The documentation of library assessment planning process, lessons learned and suggestions. *The Canadian Journal of Library and Information Practice and Research*, 12 (1).

Kostovich, C., **Dunya, B. A.**, Schmidt, L., & Collins, E. (2016). A Rasch Rating Scale Analysis of the Presence of Nursing Scale-RN. *Journal of Applied Measurement*, 7(4).

Kartal, O., **Dunya, B. A.**, Diefes-dux, H., A., Zawojewski, J. S. (2016). The relationship between students' performance on conventional standardized mathematics assessments and complex mathematical modeling problems. *International Journal of Research in Undergraduate Mathematics Education*, 2(1), 239-252.

AUTHORED BOOKS & BOOK CHAPTERS

Aksu Dunya., Beyza. (2022). Reporting Research in *Research Methods in Education* (Editors: Hasan Tabak, Beyza Aksu Dünya, Fatih Şahin). Nobel Academic Publishing.

Aksu Dunya, Beyza. (2022). Technology-Supported Assessment Practices in *Technology Applications in Foreign Language Teaching*. (Editors: Erdi Şimşek, Ahmet Berk Üstün). Nobel Academic Publishing.

Aksu Dunya, Beyza. (2021). Scientific Research Process and Ethical Rules in *Research Methods in Education*: (Editors: Şen Sedat, Yıldırım İbrahim). Nobel Academic Publishing.

Aksu, Dunya, Beyza. (2019). Using Many-Facet Rasch Measurement in Rater-Mediated Performance Assessments in *Current Studies in Educational Measurement and Evaluation* (Editors: Çepni Salih, Kara Yılmaz). Paradigm Academy.

Book Review

Dunya, A. B. (2019). Demonstrating Results: Using Outcome Measurement in Your Library by Rhea Joyce Rubin. *Journal of Research and Practice in Assessment*, 13(1), 75-77.

GRANTS

1. Grant # 1059B192201517

- **Role:** Principal Investigator
- **Funding Organization:** The Scientific and Technological Research Council of Turkey (TUBITAK)
- **Project Title:** Monitoring Assessment Literacy through Computer Adaptive Testing
- **Award Level:** International

2. Grant # 120K190

- **Role:** Principal Investigator
- **Funding Organization:** The Scientific and Technological Research Council of Turkey (TUBITAK)
- **Project Title:** Supporting Faculty's Assessment Processes via a Web Portal in Distance Education
- **Award Level:** National

3. Grant # 221K342

- **Role:** Researcher
- **Funding Organization:** The Scientific and Technological Research Council of Turkey (TUBITAK)
- **Project Title:** Addressing Disparities in Children's Physical Fitness: Creating Equitable Opportunities Through a Comprehensive Intervention Program
- **Award Level:** National

4. Grant # 2020-1-IT02-KA226-HE-095042

- **Role:** Researcher
- **Funding Organization:** BRIDGES Erasmus+
- **Project Title:** Partnerships for Digital Education Readiness
- **Award Level:** International

5. Grant # 234553

- **Role:** Researcher
- **Funding Organization:** Gulf University for Science and Technology, Kuwait
- **Award Level:** Internal

INTERNATIONAL CONFERENCE PRESENTATIONS

Dunya, A. B. (2019, July). Investigating item parameter drift as a problem of ability parameter drift in CAT. International Association for Computerized Adaptive Testing. Minneapolis, MN.

Dunya, A. B. (2018, July). Evaluation of person fit in computer adaptive testing. International Meeting of the Psychometric Society. New York, NY.

Dunya, A. B., McKown, C., & Smith, E. (2018, July). A psychometric investigation of a nonverbal accuracy assessment. International Meeting of the Psychometric Society. New York, NY.

Dunya, A. B., Smith, E., & McKown, C. (2017, April). Dimensionality and Item Hierarchy of the 12-item Theory of Mind (ToM) Scale. Paper presented at the annual meeting of the National Council on Measurement in Education, San Antonio, TX.

Dunya, A. B. (2016, April). *Practice Differences and Item Parameter Drift in Computer Adaptive Testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, Washington, DC.

Dunya, A. B. (2015, November). *Item Parameter Drift in Computer Adaptive Testing*. Paper presented at the Ideas in Testing Research Seminar, Chicago, IL.

Dunya, A. B. (2015, April). *Impact of Item Parameter Drift on an Adaptive Test*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.

Dunya, A. B., & Ozyer, K. K. (2015, April). *Validity of the Adapted Online Self-Regulated Learning Questionnaire*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Kartal, O, & **Dunya, A. B.** (2015, April). *An Alternative Mathematics Assessment Mode: Mathematical Modeling*. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, Boston, MA.

Kostovich, C., **Dunya, A. B.,** Schmidt, L., & Collins, E. (2015, April). *A Rasch Rating Scale Analysis of the Presence of Nursing Scale-RN*. Paper presented at the International Outcome Measurement Conference, Chicago, IL.

Dunya, A. B., Smith, E., Mckown, C., & Russo, N. (2014, April). *Applying DIF Detection Methods to a Nonverbal Accuracy Assessment*. Paper presented at the International Objective Measurement Conference, Philadelphia, PA.

Dunya, A. B. & Colwell, N. (2014, April). *Monitoring Rater Facet in a Highland Dance Championship*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.

Ozyer, K. K., **Aksu, B.** (2013, June). *Computerized ToEFL Exam Acceptance*. Paper presented at the annual meeting of the European Association for Language Testing and Assessment, Istanbul, Turkey.

ASSOCIATE EDITORSHIP

2023- Present	Co-Editor Journal of Measurement and Evaluation in Education and Psychology
2022- Present	Editorial Board Member Bartın University Journal of Faculty of Education
2022- 2023	Co-Editor Bartın University Journal of Faculty of Education

2018- 2020

Editorial Board Member

International Journal of Assessment Tools in Education

AWARDS

Erasmus+ Teaching Mobility Award (September 2021). The University of Oviedo College of Education, Oviedo, Spain.

The Scientific and Technological Research Council of Turkey (TUBITAK) International Conference Travel Award (June, 2019). International Association for Computer Adaptive Testing, Minneapolis, Minnesota, USA.

The University of Illinois at Chicago College of Education Research Travel Award (April 2014, 2015, and 2016). Chicago, IL, USA.

International Graduate Scholarship from Turkey Ministry of National Education (2009-2012).

PROGRAMS AND STATISTICAL SOFTWARE PACKAGES

Advanced Skills: R, SAS, Mplus, Jamovi, JASP, IRTPRO, SPSS, HLM, LISREL, Winsteps, ConQuest, PARSCALE, Facets, MaxQDA

RESEARCH INTERESTS

- Educational Measurement and Applied Statistics
- Rasch Model and Item Response Theory
- Computer Adaptive Testing
- Psychometrics
- Large Scale Assessment
- Assessment in Higher Education

PROFESSIONAL AFFILIATIONS

- American Educational Research Association
- National Council on Measurement in Education
- Association for Measurement and Evaluation in Education and Psychology

SAMPLE COURSES TAUGHT

- Advanced Statistics (Graduate Level). Institution: The University of Alabama
- Computerized Measurement Applications (Graduate Level). Institution: Ahmet Yesevi University
- Intermediate Statistics (Undergraduate Level). Institution: Bartın University
- Scale Development (Graduate Level). Institution: Bartın University